

DESCRIPTIONS OF THREE NEW SPECIES OF LAND SHELLS  
FROM NEW ZEALAND.

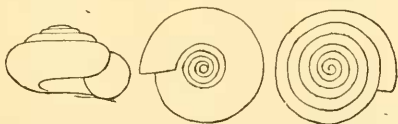
By HENRY SUTER.

*Read 9th May, 1913.*

SOME New Zealand land shells, collected by Mrs. G. B. Longstaff, and also a number found by Mr. G. W. Howes, of Dunedin, were sent to me by the former for identification. Amongst them I found the three new species which are now described and figured.

ENDODONTA (CHAROPA) LONGSTAFFI, n.sp.

*Shell* very small, sub-discoidal, the whorls very narrow, umbilicate, with close radiate riblets, uniformly light brown. *Sculpture* of the post-embryonic whorls consisting of very fine and close radiate riblets, 28 to 30 per millimetre, slightly flexuous above and upon the periphery, straight on the base, with exceedingly faint microscopic dense spiral striation, the interstices with a few fine incremental



lines. *Colour* light brown, without any colour-markings. *Spire* slightly raised, broadly convex, flat in the centre. *Protoconch* of  $1\frac{1}{2}$  smooth flattish volutions. *Whorls*  $6\frac{1}{4}$ , narrowly coiled up, very slowly increasing, convex, periphery regularly rounded. *Suture* well impressed. *Aperture* oblique, rotundly lunate. *Peristome* simple, acute, margins converging. *Columella* short, arcuate, vertical. *Umbilicus* wide and deep, perspective, about one-third of the greatest diameter. Height 1.5, diam. 2.8 mm.

*Dentition* unknown.

*Type* in my collection.

*Hab.*—Orepuki, Southland (Mrs. G. B. Longstaff), type; Woodhaugh, Otago (Mr. G. W. Howes).

Named in honour of Mrs. G. B. Longstaff, F.L.S., who discovered the species when visiting New Zealand in 1910.

THALASSOHELIX PYGMAEA, n.sp.

*Shell* very small, trochiform, narrowly umbilicated, smooth, pellucid and thin, periphery distinctly angled. *Sculpture* consisting of fine



oblique growth-lines and fine microscopic spiral striation, base with spiral line more prominent than the others at some distance from the

umbilicus. *Colour* pale horny, with faint rufous radial streaks of different width, extending over the base. *Epidermis* thin, slightly shining. *Spire* conoidal, convex, of about the same height as the aperture. *Protoconch* of  $1\frac{1}{2}$  smooth whorls, obtuse. *Whorls* 5, regularly increasing, lightly convex, periphery angled; base convex. *Suture* not much impressed. *Aperture* slightly oblique, sub-quadrangular. *Peristome* simple, acute. *Columella* short, sub-vertical, a little reflexed. *Umbilicus* narrow, open, one-eighth of the greatest diameter. Height 2·8, diam. 4 mm.

*Dentition* unknown.

*Type* in my collection.

*Hab.*—Woodhaugh, Otago (Mr. G. W. Howes). One specimen.

LAOMA (PHRIXGNATHUS) GRACILIS, n.sp.

*Shell* minute, depressed globose, umbilicated, almost smooth, thin, somewhat shining, pellucid, uniformly horn-colour. *Sculpture* consisting of fine irregular growth-lines and very fine microscopic spiral striae, the last whorl being faintly and somewhat irregularly radially plicated. *Colour* greenish horn-colour. *Spire* conoidal, the height slightly more than that of the aperture. *Protoconch* obtuse, smooth,



of  $1\frac{1}{2}$  volutions. *Whorls*  $4\frac{1}{2}$ , the last large in proportion, convex; base rounded. *Suture* well impressed. *Aperture* somewhat oblique, broadly lunate. *Peristome* acute, thin, the margins faintly converging. *Columella* short, oblique, nearly straight, slightly reflexed. *Umbilicus* moderate, open, deep, about one-seventh of the greatest diameter. Height 1·5, diam. 2·3 mm.

*Dentition* unknown.

*Type* in my collection.

*Hab.*—Woodhaugh, Otago (Mr. G. W. Howes). One specimen.

This species stands nearest to *L. viridula*, Suter, which, however, is imperforate.